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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/587,439
		Filing Date	05/22/2007
		First Named Inventor	Robert J. McMillen
		Art Unit	3617
		Examiner Name	TBA
Sheet 1	of 7	Attorney Docket Number	41575-503

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. 1	Document Number Number-Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 1,182,854	05/1916	Poler	
		US- 1,203,293	10/1916	Wilkinson	
		US- 2,274,176	02/1942	Widman	
		US- 2,756,809	07/1956	Endresen	
		US- 2,833,339	05/1958	Liljengren	
		US- 2,843,195	07/1958	Barvaeus	
		US- 2,855,984	10/1958	Majorana et al.	
		US- 2,942,651	06/1960	Binding	
		US- 3,121,585	02/1964	Krueger et al.	
		US- 3,202,453	08/1965	Richards	
		US- 3,241,879	03/1966	Castello et al.	
		US- 3,246,924	04/1966	Krueger et al.	
		US- 3,271,076	09/1966	Smith	
		US- 3,273,877	09/1966	Geller et al.	
		US- 3,363,941	01/1968	Wierwille	
		US- 3,378,299	04/1968	Sandor	
		US- 3,146,839	12/1968	Flint	
		US- 3,490,084	01/1970	Schuster	
		US- 3,492,768	02/1970	Schuster	
		US- 3,550,953	12/1970	Neale	
		US- 3,695,688	10/1972	Wize	
		US- 3,724,144	04/1973	Schuster	
		US- 3,762,769	10/1973	Poschl	
		US- 3,927,911	12/1975	Rosquist	
		US- 3,929,374	12/1975	Hogan et al.	
		US- 3,938,858	02/1976	Drabert et al.	
		US- 3,967,852	07/1976	Eiselt et al.	
		US- 3,983,640	10/1976	Cardullo et al.	
		US- 3,992,059	11/1976	Kloepfer	
		US- 4,040,661	08/1977	Hogan et al.	
		US- 4,050,331	09/1977	Braren et al.	
		US- 4,105,245	08/1978	Simons et al.	
		US- 4,136,577	01/1979	Borgersen	
		US- 4,153,293	05/1979	Sheldon	
		US- 4,155,592	05/1979	Tsuda et al.	
		US- 4,156,544	05/1979	Swenson et al.	
		US- 4,182,533	01/1980	Arndt et al.	
		US- 4,190,286	02/1980	Bentley	
		US- 4,295,681	10/1981	Gregory	
		US- 4,313,637	02/1982	Barley	
		US- 4,316,631	02/1982	Lenz et al.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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**Complete if Known**

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		US-4,354,709	10/1982	Schuster	
		US-4,368,916	01/1983	Blasin	
		US-4,390,210	06/1983	Wisniewski et al.	
		US-4,428,611	01/1984	Widmer	
		US-4,449,751	05/1984	Murphy et al.	
		US-4,452,485	06/1984	Schuster	
		US-4,465,317	08/1984	Schwarz	
		US-4,519,646	05/1985	Leitermann et al.	
		US-4,541,670	09/1985	Morgenstern et al.	
		US-4,555,140	11/1985	Nemoto	
		US-4,556,251	12/1985	Takagi	
		US-4,564,235	01/1986	Hatsutta et al.	
		US-4,565,406	01/1986	Suzuki	
		US-4,576,410	03/1986	Hattori	
		US-4,601,514	07/1986	Meiller	
		US-4,602,819	07/1986	Morel	
		US-4,616,874	10/1986	Pietsch et al.	
		US-4,619,481	10/1986	Grudzinskas	
		US-4,627,661	12/1986	Ronnhult et al.	
		US-4,630,865	12/1986	Ahs	
		US-4,632,454	12/1986	Naert	
		US-4,634,083	01/1987	McKinnon	
		US-4,655,505	04/1987	Kashiwamura et al.	
		US-4,676,550	06/1987	Neve De Mevergnies	
		US-4,679,848	07/1987	Spierings	
		US-4,699,418	10/1987	Plavetich	
		US-4,707,207	11/1987	Horvath et al.	
		US-4,711,490	12/1987	Brand	
		US-4,730,871	03/1988	Sheldon	
		US-4,768,830	09/1988	Musselwhite	
		US-4,826,249	05/1989	Bradbury	
		US-4,833,614	05/1989	Saitoh et al.	
		US-4,834,455	05/1999	Proctor	
		US-4,880,271	11/1989	Graves	
		US-4,909,568	03/1990	Dal Monte	
		US-4,915,448	04/1990	Morgenstern	
		US-4,918,344	04/1990	Chikamori et al.	
		US-4,950,032	08/1990	Nagasaka	
		US-4,957,102	09/1990	Tan et al.	
		US-4,968,093	11/1990	Dal Monte	

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		us- 4,976,104	12/1990	Morris et al.	
		us- 5,005,904	04/1991	Clemens et al.	
		us- 5,022,709	06/1991	Marchino	
		us- 5,026,116	06/1991	Dal Monte	
		us- 5,050,930	09/1991	Schuster et al.	
		us- 5,076,643	12/1991	Colasanti et al.	
		us- 5,082,326	01/1992	Sekido et al.	
		us- 5,088,790	02/1992	Wainwright et al.	
		us- 5,092,654	03/1992	Inaba et al.	
		us- 5,120,111	06/1992	Cook	
		us- 5,137,329	08/1992	Neale	
		us- 5,174,526	12/1992	Kanigowski	
		us- 5,195,795	03/1993	Cannara et al.	
		us- 5,197,780	03/1993	Coughlin	
		us- 5,215,350	06/1993	Kato	
		us- 5,217,278	06/1993	Harrison et al.	
		us- 5,269,581	12/1993	Odagaki et al.	
		us- 5,286,087	02/1994	Elton	
		us- 5,292,175	03/1994	Artz	
		us- 5,292,176	03/1994	Artz	
		us- 5,299,851	04/1994	Lin	
		us- 5,316,371	05/1994	Bishai	
		us- 5,335,965	08/1994	Sessini	
		us- 5,368,355	11/1994	Hayden et al.	
		us- 5,385,389	01/1995	Bishai	
		us- 5,385,531	01/1995	Jover	
		us- 5,397,164	03/1995	Schuster	
		us- 5,397,167	03/1995	Fourrey et al.	
		us- 5,423,593	06/1995	Nagashima	
		us- 5,429,558	07/1995	Lagarde et al.	
		us- 5,449,219	09/1995	Hay et al.	
		us- 5,452,868	09/1995	Kanigowski	
		us- 5,472,261	12/1995	Oplenskdal et al.	
		us- 5,474,358	12/1995	Maeyaert	
		us- 5,482,346	01/1996	Lesourd	
		us- 5,498,063	03/1996	Schuster et al.	
		us- 5,518,294	05/1996	Ligon, Sr. et al.	
		us- 5,529,377	06/1996	Miller	
		us- 5,553,917	09/1996	Adat et al.	
		us- 5,562,324	10/1996	Massara et al.	
		us- 5,567,010	10/1996	Sparks	
		us- 5,567,011	10/1996	Sessini	

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		Art Unit	3617
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		us-5,570,931	11/1996	Kargilis et al.	
		us-5,588,703	12/1996	Itou	
		us-5,588,707	12/1996	Bolsworth et al.	
		us-5,609,394	03/1997	Ligon, Sr. et al.	
		us-5,626,390	05/1997	Schuster et al.	
		us-5,638,722	06/1997	Klingler	
		us-5,651,583	07/1997	Klingler et al.	
		us-5,651,584	07/1997	Chenot et al.	
		us-5,660,438	08/1997	Tedesco	
		us-5,681,079	10/1997	Robinson	
		us-5,704,687	01/1998	Klingler	
		us-5,718,476	02/1988	De Pascal et al.	
		us-5,730,495	03/1998	Tuman, II	
		us-5,758,925	06/1998	Schrewe et al.	
		us-5,762,397	06/1998	Venuto et al.	
		us-5,769,491	06/1998	Schwarzbach	
		us-5,772,281	06/1998	Massara	
		us-5,775,773	07/1998	Schuster et al.	
		us-5,791,733	08/1998	Van Hekken et al.	
		us-5,816,653	10/1998	Benson	
		us-5,823,620	10/1998	Le Caz	
		us-5,857,743	01/1999	Ligon, Sr. et al.	
		us-5,868,466	02/1999	Massara	
		us-5,884,968	03/1999	Massara	
		us-5,897,168	04/1999	Bartelt et al.	
		us-5,911,477	06/1999	Mundell et al.	
		us-5,913,569	06/1999	Klingler	
		us-5,934,752	08/1999	Klingler	
		us-5,941,602	08/1999	Sturt et al.	
		us-5,967,608	10/1999	Van Sickle	
		us-5,975,632	11/1999	Ginat	
		us-5,984,407	11/1999	Ligon, Sr. et al.	
		us-5,988,745	11/1999	Decceuninck	
		us-6,003,941	12/1999	Schuster, Sr. et al.	
		us-6,007,151	12/1999	Benson	
		us-6,030,041	02/2000	Hsiao	
		us-6,036,265	03/2000	Cosentino	
		us-6,045,185	04/2000	Ligon, Sr. et al.	
		us-6,050,641	04/2000	Benson	
		us-6,079,783	06/2000	Schuster, Sr. et al.	
		us-6,092,871	07/2000	Beaulieu	

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Substitution for form 1449/PTO  <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;"><i>(Use as many sheets as necessary)</i></p>		<p style="text-align: center; margin: 0;"><b>Complete if Known</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/587,439</td> </tr> <tr> <td>Filing Date</td> <td>05/22/2007</td> </tr> <tr> <td>First Named Inventor</td> <td>Robert J. McMillen</td> </tr> <tr> <td>Art Unit</td> <td>3617</td> </tr> <tr> <td>Examiner Name</td> <td>TBA</td> </tr> <tr> <td>Attorney Docket Number</td> <td>41575-503</td> </tr> </table>	Application Number	10/587,439	Filing Date	05/22/2007	First Named Inventor	Robert J. McMillen	Art Unit	3617	Examiner Name	TBA	Attorney Docket Number	41575-503
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## U.S. PATENT DOCUMENTS

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 PTO/SB/08A B (08-03)  
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FOREIGN PATENT DOCUMENTS						
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		AT 401497	09/1996			
		DE 2040794	07/1971			
		DE 2064419	07/1972			
		DE 2947472	08/1980			
		DE 4220995 A1	01/1994			
		DE 19750116 A1	05/1999			
		DE 10005215 C1	09/2001			
		EP 0006840 B1	02/1982			
		EP 0169293 B1	10/1988			
		EP 0322535 A1	07/1989			
		EP 0485483 B1	01/1994			
		EP 0434660 B1	05/1995			
		EP 0540481 B1	12/1995			
		EP 0662795 B1	12/1996			
		EP 0702522 B1	03/1997			
		EP 0696251 B1	07/1997			
		EP 0746219 B1	11/1998			
		EP 0797399 B1	11/1998			
		EP 0698360 B1	03/2000			
		FR 2596334	10/1987			
		GB 1423617	02/1976			
		GB 2013487	02/1978			
		RU 587924	02/1978			
		WO/00/00064	01/2000			
		WO2003/022626 A1	03/2003			
		WO2004/043207 A2	05/2004			
		WO2004/043730 A2	05/2004			

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		DE 4412898 A1	10/1995			
		DE 29905163 U1	07/1999			
		DE 10314771 A1	10/2004			
		EP 0518830 A1	12/1992			
		WO 01/48397	07/2001			

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